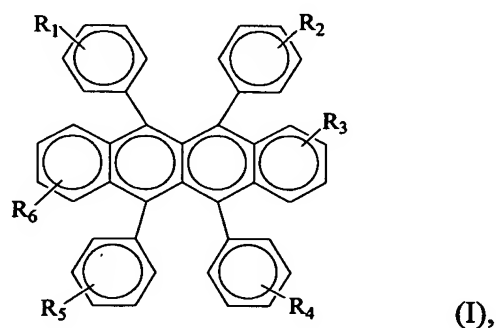


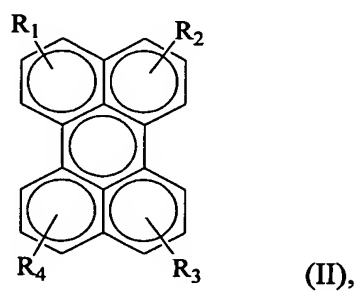
WHAT IS CLAIMED IS:

1. An organic electroluminescent device comprising a pair of electrodes and at least one luminescent layer interposed between the pair of electrodes, the luminescent layer comprising a condensed polycyclic aromatic compound which is unsubstituted or substituted by C₁-C₃alkyl, C₂-C₃alkenyl, C₁-C₃alkoxy or cyano groups; an organic metal chelate; and a luminescent dye.
2. An organic electroluminescent device according to claim 1, wherein the condensed polycyclic aromatic compound in the luminescent layer is of the formula



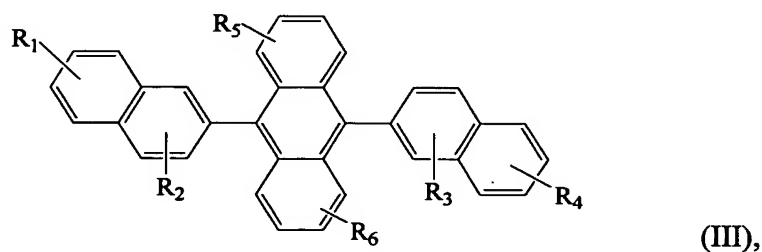
wherein R₁ to R₆ independently represent hydrogen, C₁-C₃alkyl, C₂-C₃alkenyl, C₁-C₃alkoxy or cyano groups.

3. An organic electroluminescent device according to claim 1, the condensed polycyclic aromatic compound in the luminescent layer is of the formula



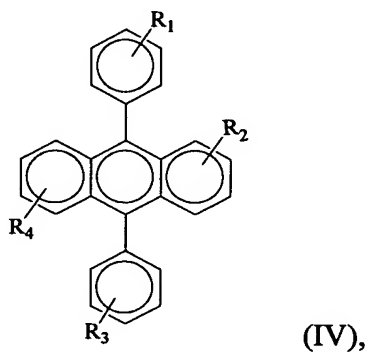
wherein R_1 to R_4 independently represent hydrogen, C_1 - C_3 alkyl, C_2 - C_3 alkenyl, C_1 - C_3 alkoxy or cyano groups.

4. An organic electroluminescent device according to claim 1, the component (A) in the luminescent layer is of the formula



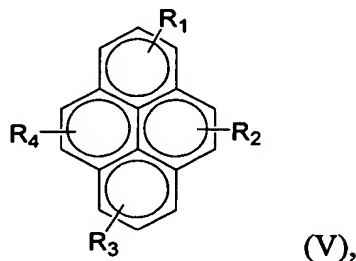
wherein R_1 to R_6 independently represent hydrogen, C_1 - C_3 alkyl, C_2 - C_3 alkenyl, C_1 - C_3 alkoxy or cyano groups.

5. An organic electroluminescent device according to claim 1, the condensed polycyclic aromatic compound in the luminescent layer is of the formula



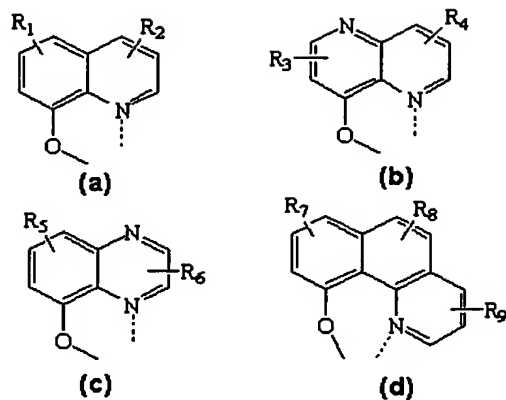
wherein R_1 to R_4 independently represent hydrogen, C_1 - C_3 alkyl, C_2 - C_3 alkenyl, C_1 - C_3 alkoxy or cyano groups.

6. An organic electroluminescent device according to claim 1, the condensed polycyclic aromatic compound in the luminescent layer is of the formula



wherein R_1 to R_4 independently represent hydrogen, C_1 - C_3 alkyl, C_2 - C_3 alkenyl, C_1 - C_3 alkoxy or cyano groups.

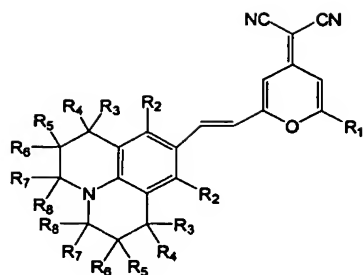
7. An organic electroluminescent device according to claim 1, wherein the condensed polycyclic aromatic compound in the luminescent layer is rubrene, perylene, ADN, MADN, EADN, DPA or pyrene.
8. An organic electroluminescent device according to claim 1, wherein the organic metal chelate in the luminescent layer is an organic metal chelate comprising one or more ligands containing one or more than one nitrogen atom.
9. An organic electroluminescent device according to claim 1, the organic metal chelate in the luminescent layer is of the following general formula (VI):
- $$M-X_mY_n \quad (VI),$$
- wherein M signifies a metal with a valence of 2 or 3; X signifies a ligand containing one or more than one nitrogen atom; Y signifies a nitrogen-free ligand; m is 2 or 3, n is 0, 1 or 2, and $m + n$ is 2 or 3.
10. An organic electroluminescent device according to claim 9, the ligand X of the organic metal chelate in the luminescent layer is of any one of the formulae



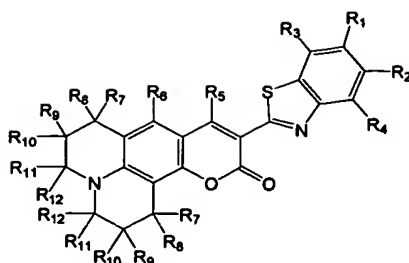
(VII),

wherein R_1 to R_9 independently represent hydrogen or any substituting groups.

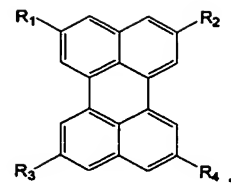
11. An organic electroluminescent device according to claim 1, wherein the organic metal chelate in the luminescent layer is Alq_3 , $BeBq_2$, Inq_3 , Gaq_3 , $Almq_3$, $BAlq$ or $NAlq_3$.
12. A organic electroluminescent device according to claim 1, wherein the weight ratio of condensed polycyclic aromatic compound to organic metal chelate is from 20: 80 to 80: 20.
13. An organic electroluminescent device according to claim 1, wherein the bandgap energy of the luminescent dye is less than those of the condensed polycyclic aromatic compound and the organic metal chelate in the luminescent layer.
14. An organic electroluminescent device according to claim 1, wherein the luminance range of the luminescent dye in the luminescent layer is between 440 nm and 700 nm.
15. An organic electroluminescent device according to claim 1, wherein the chemical structure of the luminescent dye is of formula 1, 2 or 3,



Formula 1



Formula 2



Formula 3

wherein R_1 to R_{12} independently represent hydrogen or any substituting groups.